

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/041639

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### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  

Although claims 21-27, 40-65 and 70-74 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/US2004/041639

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	<p>-&amp; DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; LA ROSA, THOMAS J. ET AL: "Nucleic acid molecules and encoded proteins associated with maize and their uses for plant improvement" XP002335807 retrieved from STN Database accession no. 142:18505 abstract</p> <p>-----</p>	

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/US2004/041639

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	<p>-&amp; DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; PENN, SHARRON GAYNOR ET AL: "Human genome-derived single exon nucleic acid probes useful for analysis of gene expression in human tissues" XP002335804 retrieved from STN Database accession no. 139:303032 abstract</p>	
X	<p>WO 01/71042 A2 (PE CORPORATION , USA) 27 September 2001 (2001-09-27) abstract; sequence 37059 -&amp; DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; VENTER, J. CRAIG ET AL: "Reagents and kits, such as nucleic acid arrays, for detecting the expression of over 10,000 Drosophila genes" XP002335805 retrieved from STN Database accession no. 136:396933 abstract</p>	66,68
X	<p>PEREZ-PAYA, ENRIQUE ET AL: "Functionalized protein-like structures from conformationally defined synthetic combinatorial libraries" JOURNAL OF BIOLOGICAL CHEMISTRY , 271(8), 4120-6 CODEN: JBCHA3; ISSN: 0021-9258, 1996, XP002335724 abstract; table IV</p>	68
P,X	<p>CHEN CHUNG-YUNG ET AL: "Comparative genome analysis of Vibrio vulnificus, a marine pathogen." GENOME RESEARCH. DEC 2003, vol. 13, no. 12, December 2003 (2003-12), pages 2577-2587, XP002335772 ISSN: 1088-9051 abstract -&amp; DATABASE UniProt 'Online! "Hypothetical protein VV0919" 1 March 2004 (2004-03-01), XP002335806 retrieved from EBI accession no. UNIPROT-Q7MMZ8 Database accession no. Q7MMZ8 Sequence of protein VV0919</p>	66,68
P,X	<p>US 2004/214272 A1 (LA ROSA, THOMAS J. ET AL) 28 October 2004 (2004-10-28) abstract; sequence 228482</p> <p style="text-align: center;">-/--</p>	66,68

## INTERNATIONAL SEARCH REPORT

International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/053332 A (MYRIAD GENETICS, INC; MORHAM, SCOTT; ZAVITZ, KENTON; HOBDEN, ADRIAN) 3 July 2003 (2003-07-03) page 84 - page 85; table 18; sequence 3476	66
X	WO 00/70044 A (THE JOHNS HOPKINS UNIVERSITY; MITTMAN, SCOTT; AGNEW, WILLIAM, S) 23 November 2000 (2000-11-23) page 22; sequences 35,116	66,68
X	WO 99/61467 A (MCGILL UNIVERSITY; TREMBLAY, MICHEL, L; COTE, JEAN-FRANCOIS; ANGERS-LO) 2 December 1999 (1999-12-02) page 35, second paragraph; figure 18a, peptide P369A	66,68
X	WO 01/59063 A2 (HUMAN GENOME SCIENCES, INC., USA) 16 August 2001 (2001-08-16) abstract; sequence 3473 -& DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; ROSEN, CRAIG A. ET AL: "Nucleic acids and their encoded polypeptides from human nervous system" XP002335800 retrieved from STN Database accession no. 135:328137 abstract	66,68
X	WO 03/033515 A1 (CORIXA CORPORATION, USA) 24 April 2003 (2003-04-24) abstract; sequence 28097 -& DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MITCHAM, JENNIFER L. ET AL: "Propionibacterium acnes genes and encoded protein sequences and their use in therapy and diagnosis of acne vulgaris" XP002335801 retrieved from STN Database accession no. 138:298928 abstract	66,68
X	JOURNAL OF VIROLOGY, vol. 68, no. 11, 1994, pages 7620-7627, XP009050647 ISSN: 0022-538X abstract; figure 2	66
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# INTERNATIONAL SEARCH REPORT

Internal Application No  
PCT/US2004/041639

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07K14/47 A61K38/17 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, Sequence Search

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/037267 A (CORIXA CORPORATION; HENDERSON, ROBERT, A; WANG, TONGTONG; WATANABE, YO) 8 May 2003 (2003-05-08) page 5, line 3 - page 7, line 28; claims 4-6,13-15; example 25; sequence 1943	1-74
X	WO 02/18584 A (THE GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY O) 7 March 2002 (2002-03-07) cited in the application abstract; page 5, last paragraph; paragraph joining pages 23 and 24; paragraph joining pages 30 and 31; page 31, last paragraph; figure 1	46-64, 73,74
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

13 July 2005

Date of mailing of the international search report

31/08/2005

Name and mailing address of the ISA

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